

10/593193  
IAP9/Rec'd PCT/PTO 15 SEP 2006

Attorney Docket No. 0553-0518

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: )  
Daisuke KUMAKI et al ) "Express Mail" Mailing Label No. EV 829841834  
Serial No.: Not Assigned ) Date of Deposit September 15, 2006  
Filed: Herewith ) I hereby certify that this correspondence is being  
Int. Application No: PCT/JP2005/009313 ) deposited with the United States Postal Service  
Intl. Filing Date: May 17, 2005 ) "Express Mail Post Office to Addressee" service  
Art Unit: ) under 37 CFR1.10 on the date indicated above  
For: LIGHT EMITTING ELEMENT AND LIGHT ) and is addressed to: Commissioner for Patents,  
EMITTING DEVICE ) P.O. Box 1450, Alexandria, VA 22313-1450  
 ) Name: ARMANDO CHING  
 ) (typed or printed)  
 ) Signature armando ching  
 )

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. Pursuant to 37 CFR §1.98(a)(2)(i) copies of cited US patent and US patent application publications are not submitted herewith.

The family of JP 10-270172 cited herein includes:  
US Patent No. 6,013,384

The family of JP 11-251067 cited herein includes:  
EP Patent No. 0 948 063 A2  
US Patent Application Publication No. US 2001/0046611 A1

10/593193  
IAP9/Rec'd PCT/PTO 15 SEP 2006

The family of JP 11-329748 cited herein includes:  
US Patent No. 6,107,734

The family of JP 2003-272860 cited herein includes:  
EP Patent No. 1 351 558 A1  
US Patent Application Publication No. US 2003/0189401 A1

The family of JP 2005-166637 cited herein includes:  
EP Patent No. 1 530 245 A2  
US Patent Application Publication No. US 2005/0098207 A1

The family of US 2004/0227460 A1 cited herein includes:  
EP Patent No. 1 478 025 A2

No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the

10/593193  
IAP9 Rec'd PCT/PTO 15 SEP 2006

disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

A first office action, notice of allowance or issue fee notification has not been received in this case, so Applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

Respectfully submitted,



Mark J. Murphy  
Registration No: 34,225

COOK, ALEX, McFARRON, MANZO,  
CUMMINGS & MEHLER, LTD.  
200 West Adams Street  
Suite 2850  
Chicago, Illinois 60606  
(312) 236-8500  
Customer No: 000026568

10/593193

JPO Rec'd PCT/PTO 15 SEP 2006

LIST OF PUBLICATIONS CITED BY APPLICANT	<u>Atty Docket No.</u> 0553-0518	<u>Serial No.</u> Not Assigned
	<u>Applicant</u> Daisuke KUMAKI et al	
	<u>Filing Date</u> Herewith	<u>Group</u>

## US PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		
	5,849,403 6,013,384 6,107,734 US 2001/ 0046611 A1 US 2003/ 0127967 A1 US 2003/ 0189401 A1 US 2003/ 0218166 A1 US 2004/ 0027059 A1 US 2004/ 0150333 A1 US 2004/ 0227460 A1 US 2005/ 0098207 A1	12/15/98 01/11/00 08/22/00 11/29/01 07/10/03 10/09/03 11/27/03 02/12/04 08/05/04 11/18/04 05/12/05	Aoki et al Kido et al Tanaka et al Kido et al Tsutsui et al Kido et al Tsutsui Tsutsui Tsutsui Liao et al Matsumoto et al		

10/593193  
IAP9 Rec'd PCT/PTO 15 SEP 2006

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	English Abstract	English Translation
	JP 09-063771	03/07/97	Japan	X	
	JP 10-270172	10/09/98	Japan		
	JP 11-251067	09/17/99	Japan		
	EP 0 948 063 A2	10/06/99	EPO		
	JP 11-307264	11/05/99	Japan	X	
	JP 11-329748	11/30/99	Japan		
	JP 2003-045676	02/14/03	Japan	X	
	JP 2003-272860	09/26/03	Japan	X	
	EP 1 351 558 A1	10/08/03	EPO		
	EP 1 478 025 A2	11/17/04	EPO		
	EP 1 530 245 A2	05/11/05	EPO		
	JP 2005-166637	06/23/05	Japan		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

(Include name of author (in CAPITAL LETTERS), title of article or item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages(s), volume-issue number(s), publisher, city and/or country where published).

	<ol style="list-style-type: none"><li>1) GANZORIG. C. et al, "Improved drive voltages of organic electroluminescent devices with an efficient p-type aromatic diamine hole-injection layer," Applied Physics Letters, vol. 77, no. 25, pp. 4211-4213, (December 18, 2000).</li><li>2) ENDO, J. et al, "Organic Electroluminescent Devices with a Vacuum-Deposited Lewis-Acid-Doped Hole-Injecting Layer," Japanese Journal of Applied Physics, vol. 41, pp. L358-L360, (2002).</li><li>3) NAKADA, T. et al, "Multi Photon Emission Organic EL Devices using Charge-Transfer Complex as Charge Generation Layer," Proceedings of the Lecture Meeting of the Union Allied with the Japan Society of Applied Physics, The 63<sup>rd</sup> Autumn meeting, p. 1165, (September 24, 2002); with full English translation.</li><li>4) LIAO, L.S. et al, "High-efficiency tandem organic light-emitting diodes," Applied Physics Letters, vol. 84, no. 2, pp. 167-169, (January 12, 2004).</li><li>5) TSUTSUI, T. et al, "Electric field-assisted bipolar charge spouting in organic thin-film diodes," Applied Physics Letters, vol. 84, no. 3, pp. 440-442, (January 19, 2004).</li><li>6) International Search Report re application no. PCT/JP2005/009313, dated September 13, 2005.</li><li>7) Written Opinion re application no. PCT/JP2005/009313, dated September 13, 2005.</li></ol>
--	--

EXAMINER:

DATE CONSIDERED:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.